Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION** SERIAL NUMBER: 09/756,398

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 _____ Wrapped Aminos
The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 _____ Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces.

4 _____ Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 _____ Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 _____ Variable Length
Sequence(s) ____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.

7 _____ PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence.

8 _____ Skipped Sequences (OLD RULES)
Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 _____ Skipped Sequences (NEW RULES)
Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence Id number
<400> sequence Id number
000

10 _____ Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

11 ✓ Use of <213>Organism (NEW RULES)
Sequence(s) All are missing this mandatory field or its correct response.

12 _____ Use of <220>Feature (NEW RULES)
Sequence(s) ____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)

13 _____ PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

AKS-Biotechnology Systems Branch- 5/15/99

OIPE

RAW SEQUENCE LISTING DATE: 02/05/2001
PATENT APPLICATION: US/09/756,398 TIME: 14:25:45

Input Set : A:\0975.1005-006SEQLIST.TXT
Output Set: N:\CRF3\02052001\I756398.raw

Does Not Comply
Corrected Diskette Needed

```
   4 <110> APPLICANT: Junming Le
   5       Jan Vilcek
   6       Peter Daddona
   7       John Ghrayeb
   8       David M. Knight
   9       Scott Siegel
  11 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
  12       Human Tumor Necrosis Factor
  15 <130> FILE REFERENCE: 0975.1005-006
C--> 17 <140> CURRENT APPLICATION NUMBER: US/09/756,398
C--> 17 <141> CURRENT FILING DATE: 2001-01-08
  17 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119
  18 <151> PRIOR FILING DATE: 1998-08-12
  20 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674
  21 <151> PRIOR FILING DATE: 1995-12-11
  23 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799
  24 <151> PRIOR FILING DATE: 1994-10-18
  26 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102
  27 <151> PRIOR FILING DATE: 1994-02-04
  29 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861
  30 <151> PRIOR FILING DATE: 1994-02-04
  32 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093
  33 <151> PRIOR FILING DATE: 1994-02-04
  35 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406
  36 <151> PRIOR FILING DATE: 1993-01-29
  38 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413
  39 <151> PRIOR FILING DATE: 1993-02-02
  41 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852
  42 <151> PRIOR FILING DATE: 1992-09-11
  44 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606
  45 <151> PRIOR FILING DATE: 1992-03-18
  47 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827
  48 <151> PRIOR FILING DATE: 1991-03-18
  50 <160> NUMBER OF SEQ ID NOS: 19
  52 <170> SOFTWARE: FastSEQ for Windows Version 4.0
  54 <210> SEQ ID NO: 1
  55 <211> LENGTH: 157
  56 <212> TYPE: PRT
  57 <213> ORGANISM: Peptide
  59 <400> SEQUENCE: 1
  60 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
  61  1               5                  10                  15
  62 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
  63             20                  25                  30
  64 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
  65         35                  40                  45
  66 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
```

Numeric identifier <213> can only be:
1) Scientific Name "Genus Species"
2) Artificial Sequence
3) Unknown

RAW SEQUENCE LISTING DATE: 02/05/2001
PATENT APPLICATION: US/09/756,398 TIME: 14:25:45

Input Set : A:\0975.1005-006SEQLIST.TXT
Output Set: N:\CRF3\02052001\I756398.raw

```
     50                  55                  60
Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
65                  70                  75                  80
Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
                85                  90                  95
Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
            100                 105                 110
Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
        115                 120                 125
Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
    130                 135                 140
Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
145                 150                 155
<210> SEQ ID NO: 2
<211> LENGTH: 321
<212> TYPE: DNA
<213> ORGANISM: cDNA
<220> FEATURE:
<221> NAME/KEY: CDS
W--> <222> LOCATION: (1)...(321)
<400> SEQUENCE: 2
gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga   48
Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
 1               5                  10                  15
gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc   96
Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
            20                  25                  30
atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata   144
Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
        35                  40                  45
aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc   192
Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
    50                  55                  60
agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct   240
Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
65                  70                  75                  80
gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc   288
Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
                85                  90                  95
acg ttc ggc tcg ggg aca aat ttg gaa gta aaa                       321
Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
            100                 105
<210> SEQ ID NO: 3
<211> LENGTH: 107
<212> TYPE: PRT
<213> ORGANISM: Protein
<400> SEQUENCE: 3
Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
 1               5                  10                  15
```

start range with 1

see page 1

RAW SEQUENCE LISTING DATE: 02/05/2001
PATENT APPLICATION: US/09/756,398 TIME: 14:25:45

Input Set : A:\0975.1005-006SEQLIST.TXT
Output Set: N:\CRF3\02052001\I756398.raw

```
129 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
130             20                  25                  30
131 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
132         35                  40                  45
133 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
134     50                  55                  60
135 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
136 65                  70                  75                  80
137 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
138                 85                  90                  95
139 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
140             100                 105
143 <210> SEQ ID NO: 4
144 <211> LENGTH: 357
145 <212> TYPE: DNA
146 <213> ORGANISM: cDNA
148 <220> FEATURE:
149 <221> NAME/KEY: CDS
W--> 150 <222> LOCATION: (1)...(357)
152 <400> SEQUENCE: 4
153 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga   48
154 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
155  1               5                  10                  15
157 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac   96
158 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
159              20                  25                  30
161 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt   144
162 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
163          35                  40                  45
165 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag   192
166 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
167      50                  55                  60
169 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct   240
170 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
171  65                  70                  75                  80
173 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat   288
174 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
175                  85                  90                  95
177 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa   336
178 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
179             100                 105                 110
181 ggc acc act ctc aca gtc tcc                                     357
182 Gly Thr Thr Leu Thr Val Ser
183         115
186 <210> SEQ ID NO: 5
187 <211> LENGTH: 119
188 <212> TYPE: PRT
189 <213> ORGANISM: Protein
191 <400> SEQUENCE: 5
```

RAW SEQUENCE LISTING DATE: 02/05/2001
PATENT APPLICATION: US/09/756,398 TIME: 14:25:45

Input Set : A:\0975.1005-006SEQLIST.TXT
Output Set: N:\CRF3\02052001\I756398.raw

```
192 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
193  1               5                  10                  15
194 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
195             20                  25                  30
196 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
197         35                  40                  45
198 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
199     50                  55                  60
200 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
201 65                  70                  75                  80
202 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
203                 85                  90                  95
204 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
205             100                 105                 110
206 Gly Thr Thr Leu Thr Val Ser
207         115
210 <210> SEQ ID NO: 6
211 <211> LENGTH: 8
212 <212> TYPE: PRT
213 <213> ORGANISM: Protein
215 <400> SEQUENCE: 6
216 Gly Thr Leu Val Thr Val Ser Ser
217  1               5
220 <210> SEQ ID NO: 7
221 <211> LENGTH: 7
222 <212> TYPE: PRT
223 <213> ORGANISM: Protein
225 <400> SEQUENCE: 7
226 Gly Thr Lys Leu Glu Ile Lys
227  1               5
230 <210> SEQ ID NO: 8
231 <211> LENGTH: 20
232 <212> TYPE: DNA
233 <213> ORGANISM: cDNA
235 <400> SEQUENCE: 8
236 cctggatacc tgtgaaaaga                                              20
238 <210> SEQ ID NO: 9
239 <211> LENGTH: 27
240 <212> TYPE: DNA
241 <213> ORGANISM: cDNA
243 <400> SEQUENCE: 9
244 cctggtacct tagtcaccgt ctcctca                                      27
246 <210> SEQ ID NO: 10
247 <211> LENGTH: 27
248 <212> TYPE: DNA
249 <213> ORGANISM: cDNA
251 <400> SEQUENCE: 10
252 aatagatatc tccttcaaca cctgcaa                                      27
254 <210> SEQ ID NO: 11
```

see page 1

RAW SEQUENCE LISTING DATE: 02/05/2001
PATENT APPLICATION: US/09/756,398 TIME: 14:25:45

Input Set : A:\0975.1005-006SEQLIST.TXT
Output Set: N:\CRF3\02052001\I756398.raw

255 <211> LENGTH: 21
256 <212> TYPE: DNA
257 <213> ORGANISM: cDNA
259 <400> SEQUENCE: 11
260 atcgggacaa agttggaaat a 21
262 <210> SEQ ID NO: 12
263 <211> LENGTH: 16
264 <212> TYPE: DNA
265 <213> ORGANISM: cDNA
267 <400> SEQUENCE: 12
268 ggcggtctgg taccgg 16
270 <210> SEQ ID NO: 13
271 <211> LENGTH: 19
272 <212> TYPE: DNA
273 <213> ORGANISM: cDNA
275 <400> SEQUENCE: 13
276 gtcaacaaca tagtcatca 19
278 <210> SEQ ID NO: 14
279 <211> LENGTH: 23
280 <212> TYPE: DNA
281 <213> ORGANISM: cDNA
283 <400> SEQUENCE: 14
284 cacaggtgtg tccccaagga aaa 23
286 <210> SEQ ID NO: 15
287 <211> LENGTH: 18
288 <212> TYPE: DNA
289 <213> ORGANISM: cDNA
291 <400> SEQUENCE: 15
292 aatctggggt aggcacaa 18
294 <210> SEQ ID NO: 16
295 <211> LENGTH: 17
296 <212> TYPE: DNA
297 <213> ORGANISM: cDNA
299 <400> SEQUENCE: 16
300 agtgtgtgtc cccaagg 17
302 <210> SEQ ID NO: 17
303 <211> LENGTH: 24
304 <212> TYPE: DNA
305 <213> ORGANISM: cDNA
307 <400> SEQUENCE: 17
308 cacagctgcc cgcccaggtg gcat 24
310 <210> SEQ ID NO: 18
311 <211> LENGTH: 17
312 <212> TYPE: DNA
313 <213> ORGANISM: cDNA
315 <400> SEQUENCE: 18
316 gtcgccagtg ctccctt 17
318 <210> SEQ ID NO: 19
319 <211> LENGTH: 20

See page 1

VERIFICATION SUMMARY DATE: 02/05/2001
PATENT APPLICATION: US/09/756,398 TIME: 14:25:46

Input Set : A:\0975.1005-006SEQLIST.TXT
Output Set: N:\CRF3\02052001\I756398.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:89 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:2, CDS LOCATION: (0)...(321)
L:150 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:4, CDS LOCATION: (0)...(357)